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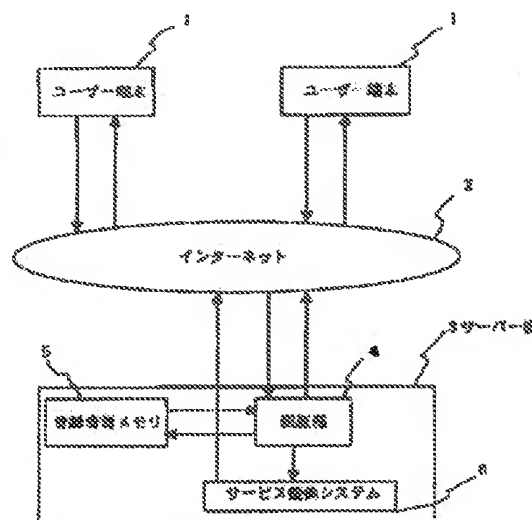
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(54) MANAGEMENT METHOD ON THE INTERNET

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a management method on the Internet capable of performing authentication/management by the domain names of companies and groups and distributing services which can be provided by the domain names.

SOLUTION: By the management method on the Internet or a mobile communication network, an individual specified service is provided on the Internet or the mobile communication network by the domain name of the mail address of an accessing person.



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[0011] In the embodiment described above, domain names, for which the access is permitted, have been registered (which will be referred to as "permission-type registration" hereinafter). An alternative embodiment may be implemented in which the domain names of free mails and/or those of competitors of the service provider have been registered, and only the accesses with such domain names will be excluded (which will be referred to as "exclusion-type registration" hereinafter). In both embodiments, the domain names are constantly updated, whereby the access management can be appropriately performed. In general, few individuals possess their own domain names, while many private and public corporations possess their own domain names for their own utilizations. Therefore, the access management method of the present invention is advantageous especially when the members of such corporations get particular services from the service provider.

[0012] In the case of a permission-type registration system, once the registration of a private or public corporation having its unique domain name is allowed, any person using that domain name can get services without performing any actions for registration. As a matter of course, it may be arranged that any person using that domain name be individually or additionally requested to perform a registration to get an ID number and/or a password. In this permission-type registration system, if a person, who is even a registered member, has no permitted domain name, then he will be excluded by this domain name authentication management system. In such a case, he may be requested to enter his member ID and/or password in a usual manner. In the case of an exclusion-type registration system, any individual or corporation member is allowed to pass the first-stage authentication and proceed to the next stage as far as he does not use any mail address having

any one of the domain names for which the access should be rejected.

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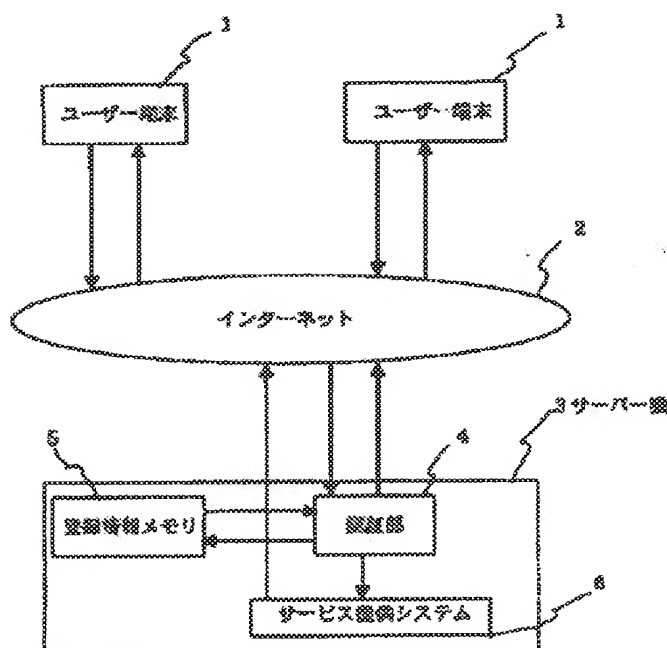
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Abstract:

PROBLEM TO BE SOLVED: To provide a management method on the Internet capable of performing authentication/management by the domain names of companies and groups and

distributing services which can be provided by the domain names.SOLUTION: By the management method on the Internet or a mobile communication network, an individual specified service is provided on the Internet or the mobile communication network by the domain name of the mail address of an accessing person.



JPO Machine translation abstract:

(57) Abstract

SUBJECT The management method on the Internet which can perform the distribution of service which can attest and manage by the domain name which a company and an organization have, and can receive offer by a domain name is provided.

Means for SolutionA management method on the Internet providing individual specific service by a domain name of an access person's mail address on the Internet or a mobile radio communication network, or a mobile radio communication network.

Claim(s)

Claim 1A management method on the Internet providing individual specific service by a domain name of an access person's mail address on the Internet or a mobile radio communication network, or a mobile radio communication network.

Claim 2The management method according to claim 1 which is the service which performs yes or no of access of said specific service to a specific site on the Internet or a mobile radio communication network.

Claim 3The management method according to claim 1 with which said specific service is service for exclusive use, and performs distribution to the specific dedicated service to an access person who has a specific domain name by a domain name.

Detailed Description of the Invention

0001

Field of the InventionThis invention relates to the method of performing a user's access control in the Internet or a mobile radio communication network by a domain name.

0002

Description of the Prior Art On the mobile radio communication network by the Internet or a cellular phone, the homepage of countless corporation and individual exists, and various kinds of information and service are provided the charge or for nothing. The site which provides such service has adopted the membership system in order to manage the site regardless of the charge or no charge in many cases. The membership system said here means the system of requiring that notice should be submitted to the administrator of the site, in order to receive the service concerned regardless of charged no charge. And once you carry out membership registration, access from next time attests **the membership number (ID) given to the individual or corporation which registered, and** whether you are the member by entering a password, if it requires (authorization), and suppose it that access to the site is allowed.

0003 the membership number (ID number) which was published as mentioned above by such attestation for every member in many cases -- if it requires, the password is used further. In inside, it may be used for attestation by setting an individual mail address to ID. A general member, a special member, a warm treatment member, etc. are ranked also about a member, the service provision site which can be accessed, respectively is restricted, and there is also a case where are an ID number or access to a site is portioned out by clicking a rank button.

0004

Problem to be solved by the invention By the way, on the Internet, many free e-mail addresses acquirable for free exist, and it has anonymity. Access from such a free e-mail address is wanted to do damage to a system by infection, ITAZURA, etc. of a virus, and to avoid it if possible.

0005 There is one of the purposes of this invention in providing the access (attestation) management method which makes yes or no of access before the input of an ID number and/or a password simple and easy. Another purpose of this invention makes easy automatic distribution to the service provision site only for a member, and there is in providing the management method which makes easy member management and providing service management. The management method of this invention works effectively especially, when a registering object is a corporate member.

0006

Means for solving problem This invention relates to the management method in tops, such as the Internet providing individual specific service by the domain name of an access person's mail address on the Internet or a mobile radio communication network (it represents and explains to the Internet hereafter.).

0007 The management method of this invention is suitable for management of the service which performs yes or no of access to the specific site on the Internet. The management method of this invention is effective when performing distribution in service for exclusive use to the access person who has a specific domain name by a domain name.

0008

Mode for carrying out the invention The mail address comprises an account name and a domain name. For example, in the case of the mail address "abcd@xyz.co.jp", "abcd" is an account name and "xyz.co.jp" after @ is a domain name. This mail address recognizes to which groups (a provider, a company, an organization, etc.) it belongs by a domain name called xyz.co.jp which a provider or a server has peculiar, and it is constituted so that the individual in that group may subsequently be specified by an account name. A domain name is a sign which specifies LAN etc. which the provider, the company, and the organization built.

0009 In this invention, it does not require to account whether permit access to a site which can receive specific service, but stops by a domain name. Of course, although ID, issue of a password, or registration of a mail address may be required separately, in a relation with attestation of specific service, the 1st-step attestation is performed only by a domain name. Hereafter, a desirable embodiment is described to applying a management method of this invention, referring to Drawings.

0010 Drawing 1 is a figure showing a relation with a server machine of the Internet which applies a management method of this invention, a user, and a purveyor of service. First, an application form which uses a management method of this invention for attestation in a user's 1st step is explained. A user accesses the Internet 2 by the Digital Communications Division means using the user terminal 1, and accesses server machine 3 of a purveyor of service. In the server machine 3, by the authentication section 4, a user's accessed mail address is recognized and it refers for a domain name to the registration information memory 5. If it is the mail address which is using a domain name registered as a result of reference, it can go into the system 6 of service provision.

0011Although a form (approved type registration) which registers a domain name which permits access in this way may be sufficient, a domain name of free e-mail or a business competition company is registered conversely, and it is good also as a form (eliminated type registration) which eliminates only access from those domain names. It is appropriately manageable by always updating a domain name with any registration form. Usually, a domain name has acquiring **little** individually and it is using it for its use of a company and public body. Therefore, a management method of this invention is effective especially when a constituent of such a company and an organization receives specific service.

0012Once registration of a company or an organization which has a peculiar domain is accepted in the case of an approved type registration system, even if an individual in particular that is using the domain name does not do registering operation, he can receive service. Of course, registration may be required individually or additionally and issue of an ID number and a password may be performed. When it is registration membership individually in an approved type registration system and does not have that consent domain name, it is eliminated in this domain name authentication management system. In that case, what is necessary is to usually pass and just to require an input of member ID and/or a password. Unless an individual and a corporation are using a mail address of a domain name which refuses access in the case of an eliminated type registration system, the 1st-step attestation is checked and he can follow it to the following stage.

0013Next, a case where a management method of this invention is used as a factor which distributes a specific member to each dedicated service providing site is explained, referring to drawing 2. First, a dedicated service providing site is explained. As mentioned above, a member is ranked and it is just going to see well to change service (dedicated service) provided for every rank. Usually, by inputting and getting ID (or password) published for every rank, or clicking and getting a button in which entrance to a site of a specific rank is shown from an attested user, Access to each dedicated service providing site 11a, 11b, and 11c in the service provision site 10 is allowed. Access to the general service provision site 12 is allowed except a specific member.

0014Setting out of a dedicated service providing site is useful not only when it ranks a member, but when setting up according to a field, a type of industry, a hobby, taste, a company, etc. **in such a service provision site 10** -- every specific member -- the dedicated service providing site A11a -- a merit which provides ... is at a point that service adapted to the specific member can be provided. However, like before, in the case of a form which tells other specific members or general users about existence of each dedicated service, unnecessary inquiry may arise and trouble may arise in offer of service.

0015On the other hand, according to the management method in a domain name of this invention, a dedicated service (it can access) providing site which can be used by a domain name is decided beforehand, The dedicated service providing site concerned can be made to distribute and access automatically by detected and referring for an after-attestation domain name. Therefore, the specific member A who can distribute to the dedicated service providing site A11a will not know the contents of the dedicated service providing site B11b of not knowing and others, and the site C11c even the existence from the first. **existence / one's dedicated service providing site A11a** As a result, about providing services between sites, unnecessary friction and competition can be controlled and management becomes easy. Of course, about providing service, a principle of competition is committed due to 1 to 1 with a specific member.

0016A flow chart for realizing such a domain name management method is shown in drawing 3. From a personal computer (PC) and a cellular phone, if a service provision contractor's homepage (H.P.) has access, an input of an access person's (user) mail address will be required first. Subsequently, a domain name of an inputted mail address is checked and it is judged whether it is the registered domain name (an approved type or an eliminated type). In the case of an approved type registration system, the user of a domain name which is not registered should just demand an input of ID, and/or an input of a password as usual.